



One Air Force ... One Map

Introduction to **GeoBase**



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► Overview

- **What is GeoBase?**
- **GeoBase Data**
- **Myths About GeoBase**
- **Why We Have GeoBase**
- **Redundant Process**
- **One Air Force ... One Map**
- **GeoBase Program Components**
- **GeoBase Screenshots**
- **GeoBase Viewer**
- **Future Vision for GeoBase**
- **Data Sharing and Net-Centricity**
- **GeoBase Organizational Chart**
- **Video Summary**

► What is GeoBase?

- **GeoBase is an Air Force program that utilizes Geographic Information System (GIS)**
- **A GIS is an Information Technology (IT) system capable of capturing, storing, maintaining, displaying, and analyzing geographically referenced data**
 - Geographical organizing principle
 - Leverages existing technology
 - Integrates multiple data sources
 - Eliminates/minimizes redundant systems or processes
 - Enhances management processes

GeoBase Data

• Data type

- Raster
- Vector
- Tabular

Facility Maintenance

Loaded 1199 facilities:

FacilityID	FacilityName	Priority	MajcomName	PropertyCate	ConstructionT	YearComple	ChenZone	DefenseSector	FowComple
000011			1C AIR COM	730832 - CO	P - Permanent	1983			
000012	SP LASALLE		1C AIR COM	730839 - CO	P - Permanent	1982			
000015	1 SG/CC		1C AIR COM	610243 - AD	P - Permanent	1984			
000018			ON HEADQU	610282 - AD	P - Permanent	1975			
000019			1C AIR COM	131111 - CO	P - Permanent	1984			
000020			1C AIR COM	890125 - MIS	P - Permanent	1943			
000021			1C AIR COM	826122 - REF	P - Permanent	1943			
000023			ON HEADQU	610282 - AD	P - Permanent	1966			
000024	Electric Subst	40							N
000025			1C AIR COM	821115 - HE	P - Permanent	1973			
000026			1C AIR COM	610121 - AD	P - Permanent	1985			
000027			1C AIR COM	214425 - TAN	P - Permanent	1993			
000028			1C AIR COM	214422 - TAN	P - Permanent	1993			

Facility Information

Facility Number: 000011 Facility Name:

Priority: MAJCOM Name: 1C AIR COMBAT COMMAND

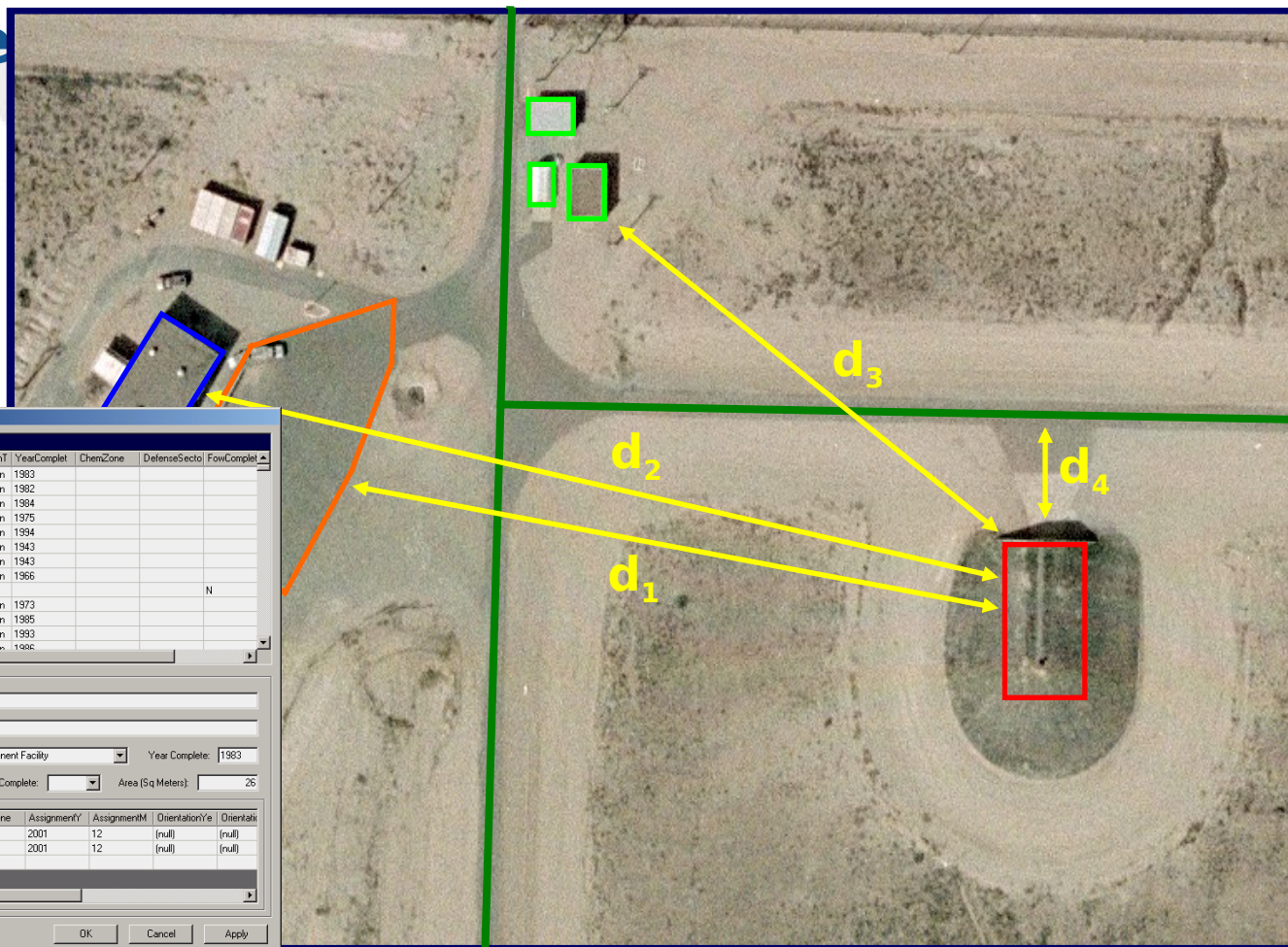
Property Category: 730832 - COMMUNITY FACIL Construction Type: P - Permanent Facility Year Complete: 1983

Chen Zone: Defense Sector: FOW Complete: Area (Sq Meters): 26

Custodians

FacilityID	Name	Grade	Prime	HomePhone	DutyPhone	AssignmentY	AssignmentM	OrientationYe	OrientationM
000011	TIM A HUGH	E-5	PRIME	757-555-1111	4-7164	2001	12	(null)	(null)
000011	JO L SMITH	E-5	ALT 1	757-555-1111	4-5658	2001	12	(null)	(null)

OK Cancel Apply



► Myths About GeoBase

- Super computer
- Central data repository
- Too expensive



► Why We Have GeoBase

- **Response to compelling evidence of widespread fiscal waste and other inferior decision making toolsets**
- **Foundation: Elimination of duplicate map making investments**
- **Mission: Installation operations require disciplined creation, management and sharing of critical geo-referenced information through modern mapping processes**

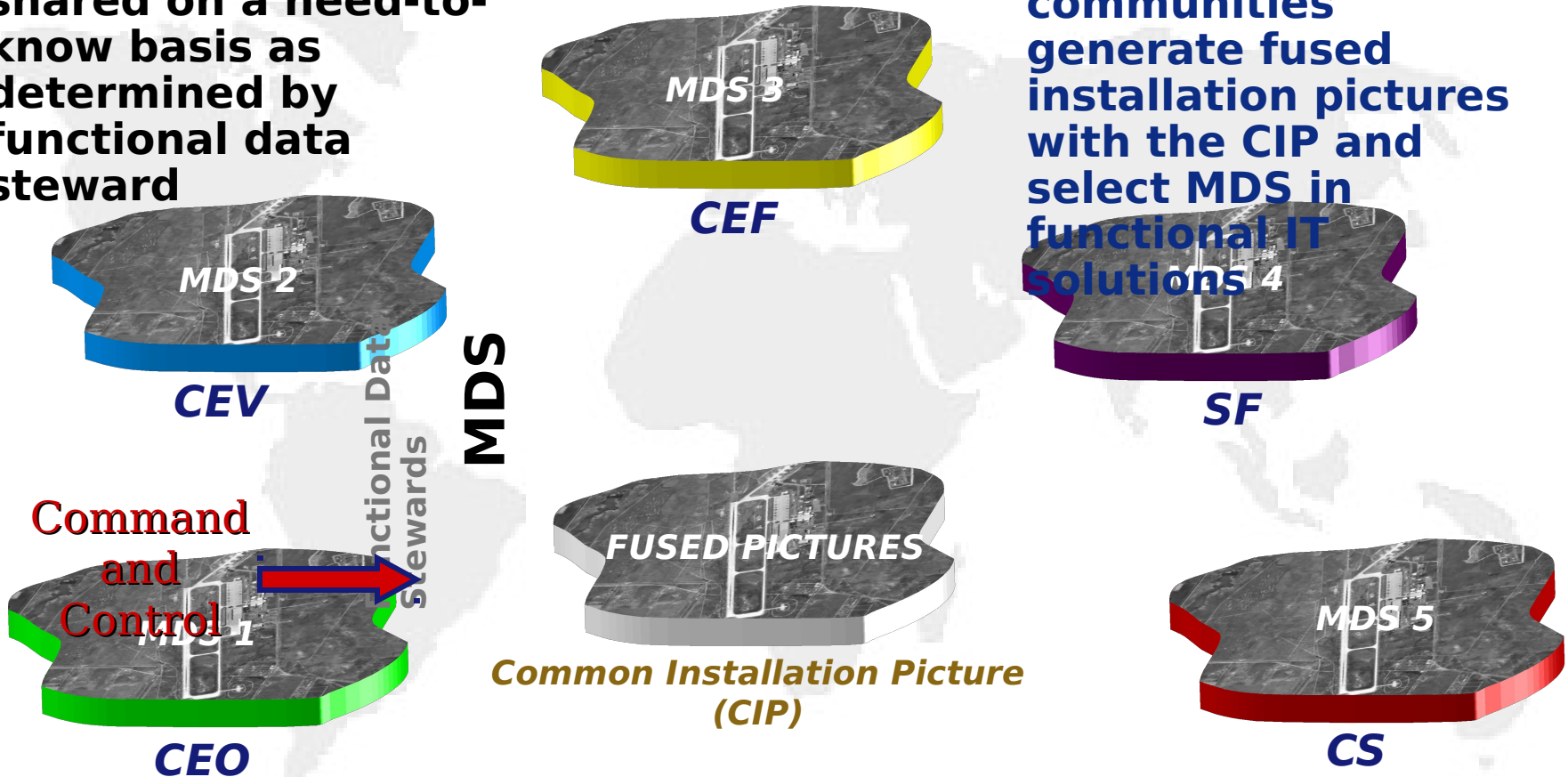
► Redundant Process



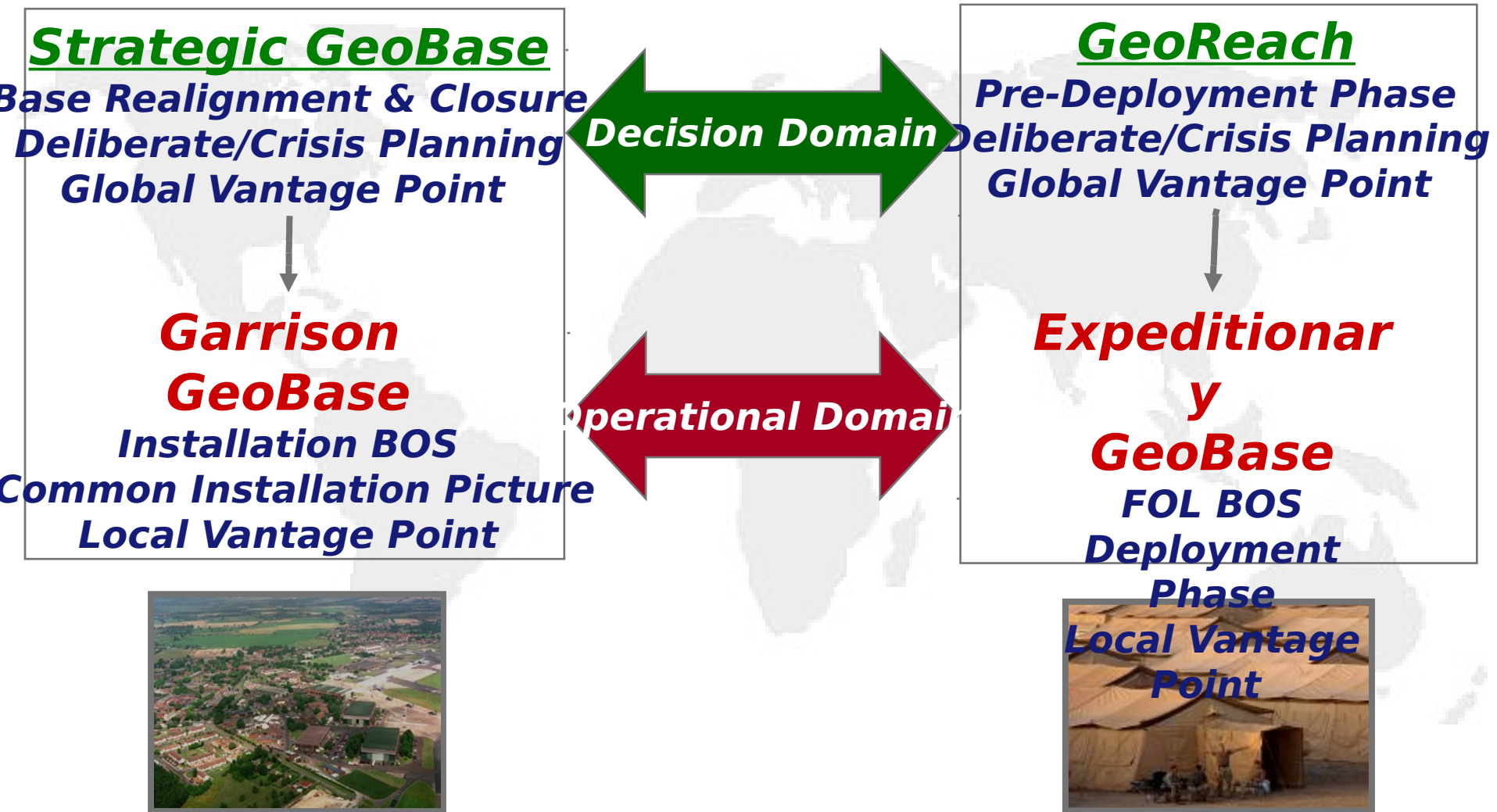
► One Air Force ... One Map

Mission Data Sets are shared on a need-to-know basis as determined by functional data steward

Functional communities generate fused installation pictures with the CIP and select MDS in functional IT solutions



► GeoBase Program Components



GeoBase Screenshot - ACES RP Integration

Legend | Maps | Layers | Map Information

Map Information

Name: Common Installation Picture

Description: Common Installation Picture

Copyright:

Last Updated: 6/23/2005

Aerial: False

Aerial Resolution:

Datum:

Files Associated with Common Installation Picture

No Documents were Found.

Links Associated with Common Installation Picture

No Links were Found.

View Information

X:

Y:

Segment Length:

Total Length:

Area:

Close Polygon

Hide/Show Results **Common Installation Picture** **Find Building** **Search**

Identify Results

Map Data

Building ID: TYFR00529

Status: PERMANENT

Use: ADMINISTRATE

Design Code: SINGLE PURPOSE BLDG

Built: 1954

Address: MESSINA, MICHAEL- 4807160

Comments: USAF A7C

Owner: FOREIGN OWNED FACILITIES

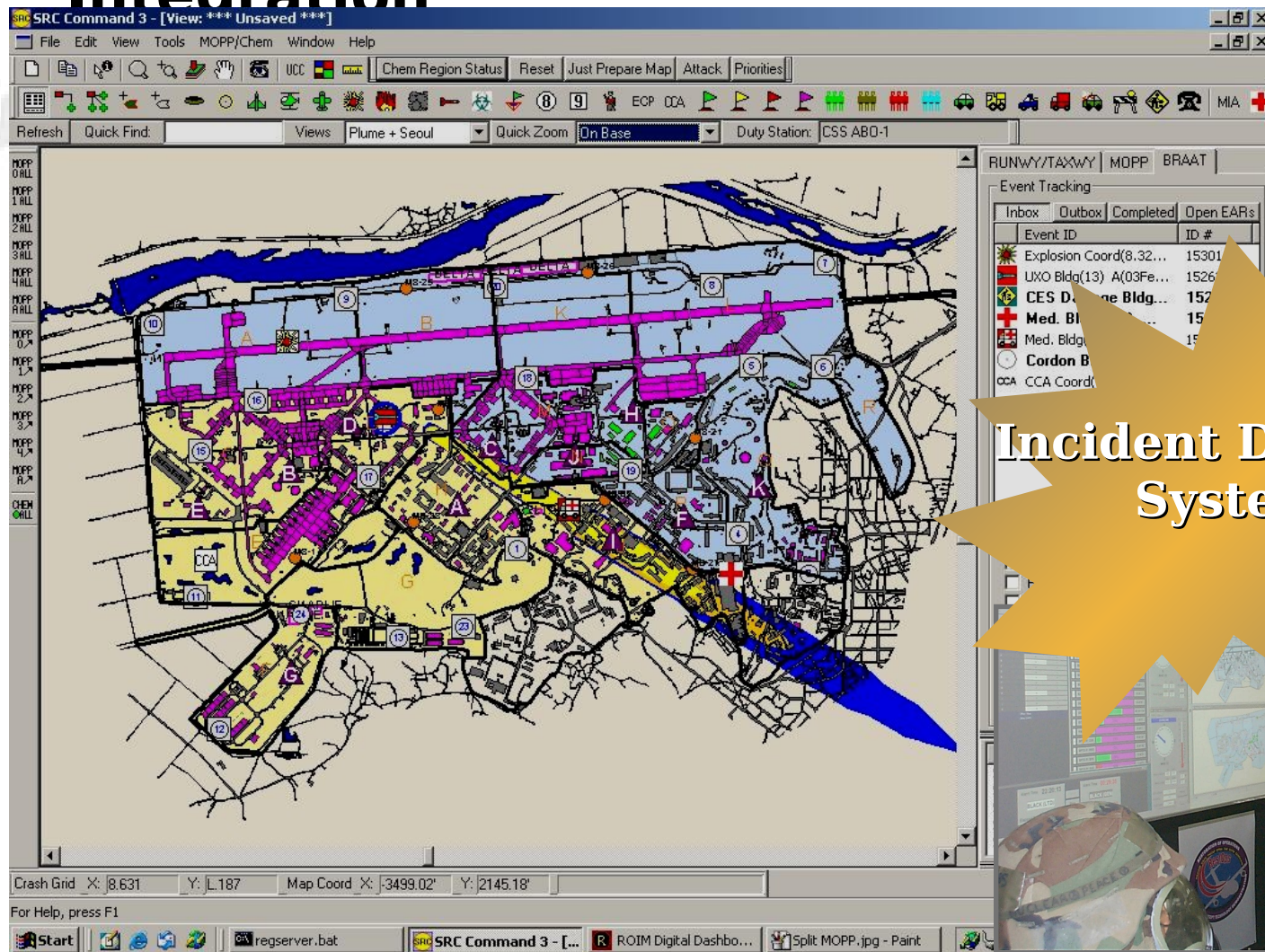
ACES Real Property Information

SEQNBR	103819	SEQNBR_BELONGS_TO_INSTALL	TYFR
FACILITY_NBR	529	SEQNBR_YEAR	95
FACILITY_TYPE	A	NET_FLOOR_AREA	14212
INTEREST_CODE	K	LAST_INVENTORY_DT	2002-11-14T00:00:00
UTILITY_UNKNOWN_YN	N	TYPE_CONSTRUCTION	P
UTILITY_STEAM_YN	N	UTILITY_SOLAR_YN	N
UTILITY_NONE_YN	N	UTILITY_GAS_YN	N
UTILITY_ELECTRIC_YN	N	UTILITY_WATER_YN	N
UTILITY_SEWER_YN	N	HEAT_COAL_YN	N
HEAT_ELECTRIC_YN	N	HEAT_FUEL_OIL_YN	N
HEAT_NONE_YN	Y	HEAT_GAS_YN	N
HEAT_UNKNOWN_YN	N	HEAT_STEAM_YN	N

Multiple Data Sources can be combined. The image, Map Data and ACES RP Data all come from separate places but are displayed as a single result set.

Page Last Modified: 8/2/2005

GeoBase Screenshot - TBMCS UL Integration



**Incident Decision
System**



GeoBase Viewer - Air Force Portal

AF Portal - Microsoft Internet Explorer provided by USAF

File Edit View Favorites Tools Help

Address https://www.my.af.mil/gcss-af/afp40/USAF/ep/geobase.do?command=selectCIP&CIP_ID=1073755305

Langley AFB (ACC)

SET AS DEFAULT MAP SAVE TO MAP FAVORITES SAVE CUSTOMIZED VIEW

Layers Legend

Zoom In: Click on the map or drag a box to zoom in

Layer Help

- All Layers
 - ☐ Auditory
 - ☐ Noise Contours
 - ☐ Buildings
 - ☐ Building #s
 - ☐ Buildings
 - ☐ Cadastre
 - ☐ Base Boundary
 - ☐ Flora
 - ☐ Vegetation
 - ☐ Hydrography
 - ☐ 100 Year Flood
 - ☐ Rivers
 - ☐ Surface Water Cent
 - ☐ Water Bodies
 - ☐ Wetlands
 - ☐ Imagery
 - ☒ Langley Aerial Sep
 - ☐ Regional Image
 - ☐ Improvement
 - ☐ Fences
 - ☐ Walls
 - ☐ Landform
 - ☐ Topo Lines
 - ☐ Military Operations
 - ☐ Military Live Fire Rai
 - ☐ QD Arcs
 - ☐ Transportation
 - ☐ APZ
 - ☐ Airfield Surface Area
 - ☐ Parking Lots
 - ☒ Road Centerline
 - ☐ Utilities
 - ☐ Culverts
 - ☐ Ditches
 - ☐ Drainage Lines
 - ☐ POL Fuel Line
 - ☐ Uncategorized
 - ☐ CSI
 - ☐ Imagry Srfcs
 - ☐ Road_Names
 - ☒ env
 - ☒ labels
 - ☒ planning
 - ☒ utils

Unclassified // FOUO // 2006

Map Favorites

The "Map Favorites" is a list of saved maps you may want view often. These map views **have not been** customized from their original state. To save a map you are currently viewing to your quick list click the "Save to Map Favorites" button on the tan bar to the left. The Map Favorites block will update with the link to your saved map.

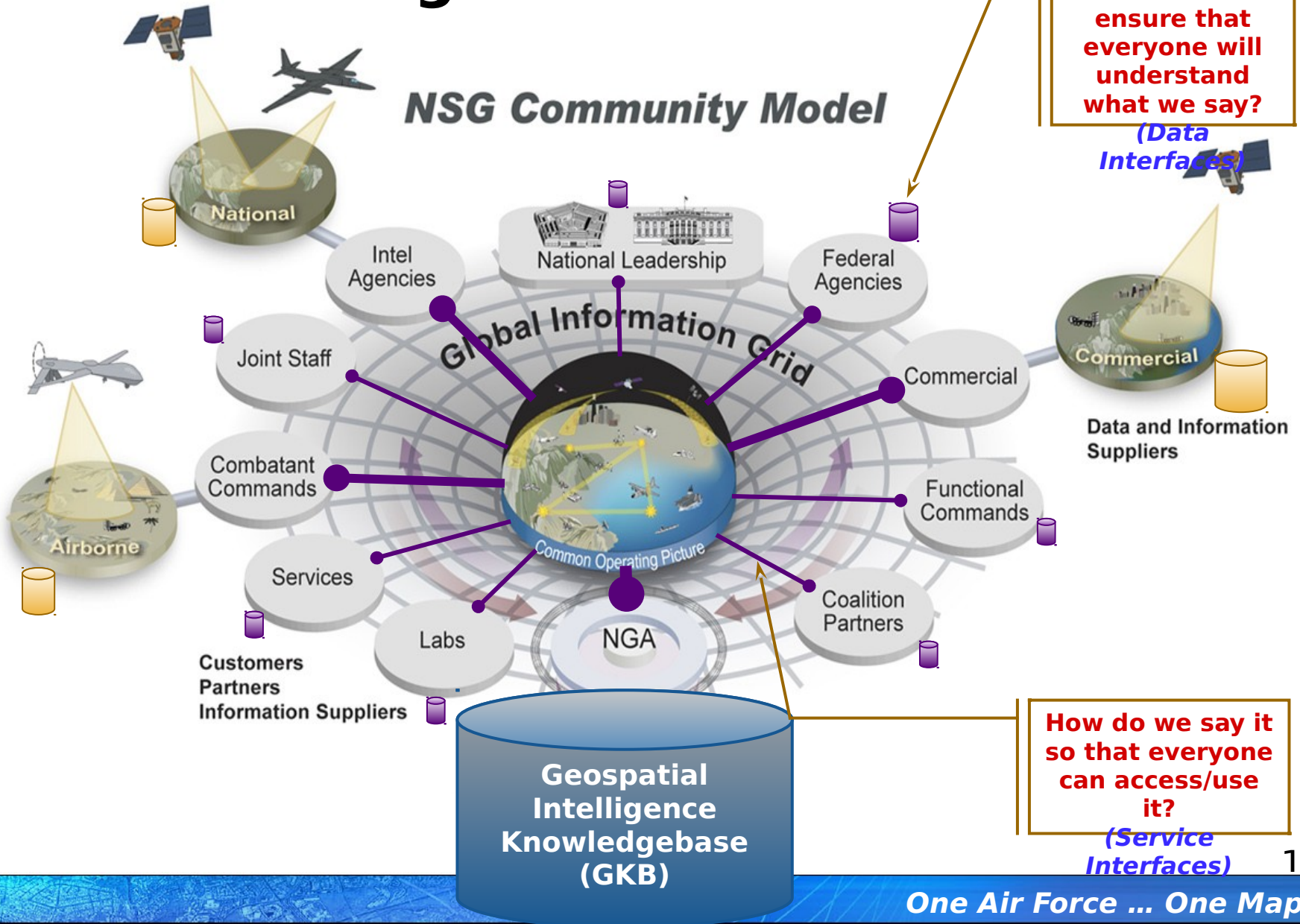
Customized Views

The "Customized Views" list is a list of customized map views you may want to save for later use. The customized maps **have not been** altered from their original state by the use of the tool bar functions. To save a map view you have currently customized to your "Customized Views" list click the "Save Customized View" button on the tan bar above. The "Customized Views" block will update with a link to your saved customized map.

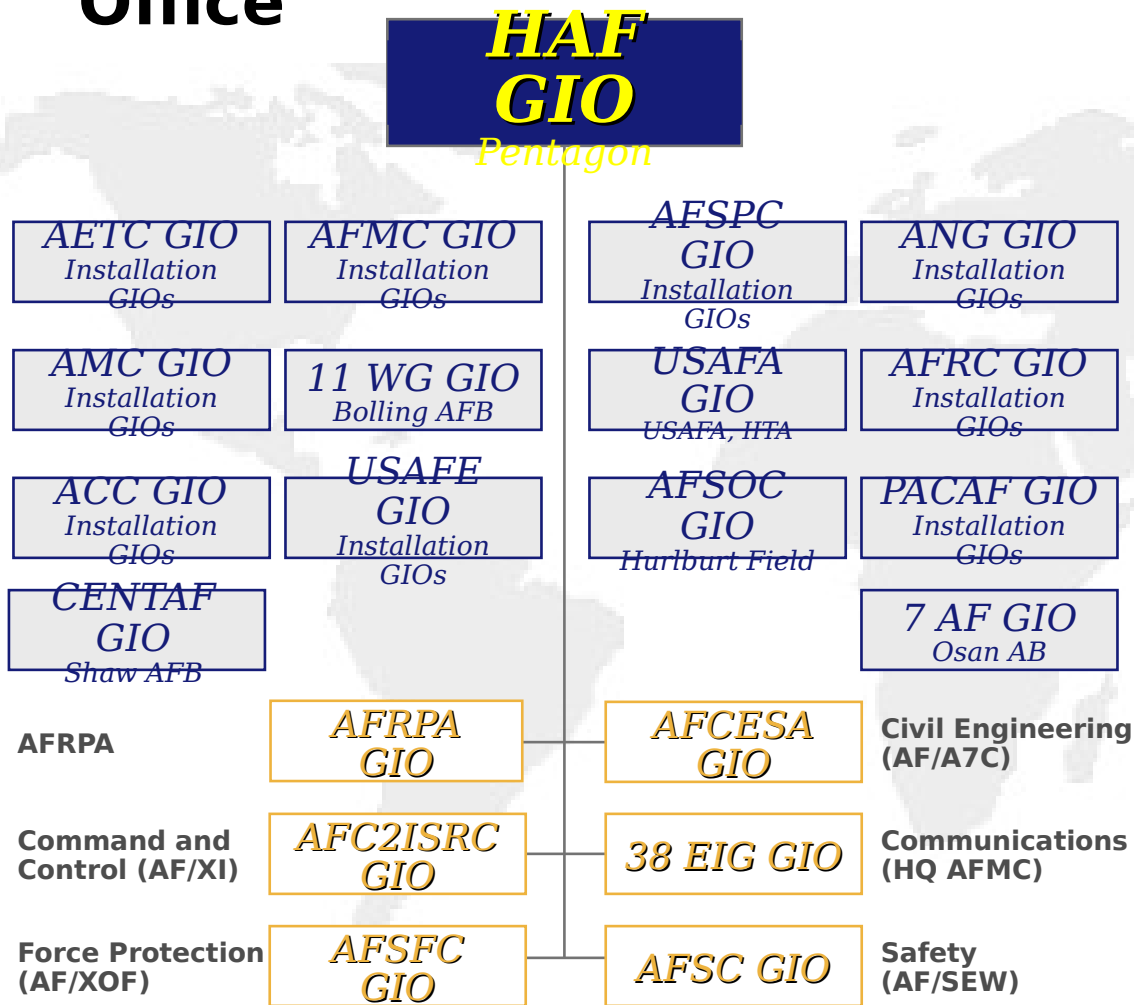
► Presidential Management Agenda

- **Fused enterprise using GCSS framework**
 - Collaboration of all available data
 - Standardize data formats
 - Manage portfolios to facilitate data access
- **DoD GIS vision**
 - Data sharing world wide
 - Geospatial data published via military portal
 - File downloads through military portal

► Data Sharing and Net-Centricity



Organizational Chart - Geo Integration Office



HQ USAF GIO (HAF GIO)

Policy and guidance

GeoBase Enterprise Architecture

Program oversight and requirements

Program investment strategy

MAJCOM/DRU GIOs

Guide acquisition and sustainment of GeoBase capabilities across respective installations

Program for GeoBase resources

Installation/DRU GIOs

Maintain the CIP and GeoBase service

Coordinate MDS maintenance with functional communities

FOA GIOs

Discover functional requirements for exploitation of GeoBase capabilities

Assist functional communities to interface mission processes and IT solutions with GeoBase capabilities



Microsoft Office
Excel Worksheet

► Video Summary - ACC GeoBase



UNITED STATES AIR FORCE GEOBASE



» *One Air Force ... One Map* »»



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